

NAVAIR

DATA CHALLENGE SUMMIT

September 12 & 13, 2018

Naval Postgraduate School
Monterey, CA





Welcome DAY 1

September 12



8:15-8:30

Opening Remarks & Introductions

Susan Marcellino—NAVAIR Data Challenge Coordinator

8:30-9:00

Challenge Problem Domain

Mr. Steve Cricchi—Assistant Commander for Corporate Operations & Total Force NAVAIR

9:00-9:45

Team ALF

Josue Acaron, Andrew Pinto, Kevin Bauer, Matthew Murphy, Alexis Fajardo, Eric Schneider, John Mason, Ryan Bell

9:45-10:00

BREAK

10:00-10:45

User-Centered Solutions

Van Baker—Gartner

10:45-11:10

Data Accessibility: Fundamental to Analytics

Rob Keisler—SPAWAR

11:10-12:30

LUNCH

12:30-1:15

Team USA

Ed Poling, John Doyle, Kyle Buffin, Shawn Pillsworth, Susan Gaines

1:15-2:00

KEY NOTE

Kevin Surace

2:00-2:15

BREAK

2:15-3:00

Convergent Validity

Dani Curl, Farron Rucker, Michael Moore, Owaski Parson, Vincent Burgess, Lisa Gaskin, Mike Lanier

3:00-3:30

Data Science, Machine Learning & AI

Anthony Tellez—Splunk

3:30-4:00

Data Science at NPS

Rob Dell—NPS Data Science Executive Director

4:00-4:15

Day 1 Wrap-Up

Susan Marcellino—NAVAIR Data Challenge Coordinator

No-Host Group Dinner
La Mia Cucina 6-9pm

Wi-Fi Name: NPS Guest

2



September 13



8:30-8:45

Day 2 Introductions

Susan Marcellino—NAVAIR Data Challenge Coordinator

8:45-9:45

KEY NOTE Joe Inzerillo—Disney Streaming Services

9:45-10:00

BREAK

10:00-10:45

Seers

Debra Dorsey, Diane Raum, Christopher Arnold, Kevin Smith

10:45-11:15

Advanced Analytics Platform (AAP) Insights

Mike Hill —NAVAIR Digital Innovation Acceleration Lead

11:15-12:30

LUNCH

12:30-1:15

Lakehurst Rebels

Amanda Conrad, Kaitlyn Scrudato, Manpreet Parmar, Tina Curtis, William Delao, Gregory Zucaro

1:15-1:45

DoD Human Resource Analytics

Matthew Boehmer —Director of People Analytics (OPA)

1:45-2:00

BREAK

2:00-3:00

Data + Accessibility = Instant Insight

Susan Marcellino—NAVAIR Data Challenge Coordinator

3:00-4:00

AWARDS

4:00-4:30

Summit Wrap-Up

Susan Marcellino—NAVAIR Data Challenge Coordinator



Wi-Fi Name: NPS Guest

KEYNOTE

KEVIN J. SURACE

Futurist and Disruptive Innovation Speaker, Creator of First Smartphone and Digital Assistant, and Innovator of the Decade



Kevin Surace is a futurist and disruptive innovation speaker, creator of the first smartphone and digital assistant, and innovator of the decade. Surace has disrupted every industry he has entered from communications to A.I. to clean energy. He's been named *Inc. Magazine's Entrepreneur of the Year*, *CNBC's Innovator of the Decade*, and inducted into *RIT's Innovation Hall of Fame*. While he has a deep technical background, he has been featured in over 15 TED talks and is known as a dynamic public speaker and true entertainer who has excited, educated and energized audiences to action with his personal brand of "Edutainment."

Before there was iPhone or Siri, Surace disrupted the communication and A.I. industries with AirCommunicator and Mary. AirCommunicator was the first smartphone to transmit data over cellular and Mary was the first digital assistant. The technology for all other digital assistants has been based on the patents from Surace's work.

In the construction and energy industries, he helped develop soundproof drywall with lower carbon footprints (EcoRock) and higher-energy-efficient windows, which his company used to completely retrofit the Empire State Building in record time and under budget and the New York Stock Exchange. He was the co-inventor of multivariate reverse auctions, improving B2B commerce, and has now turned his attention back to A.I. As CEO of Appvance.ai, Surace's company is now disrupting the software testing industry by eliminating the need for human testers.

Even the companies where he serves as board member are disruptive, such as COYUCHI, which is delivering disruptive retail and e-tail models featuring organic linens and providing the world's first life-time subscription for sheets and towels: "Coyuchi for Life."

When not disrupting industries or "edutaining" TED audiences, Surace can be found in the Bay Area as a music director, producer, arranger, and percussionist. In his latest project "Big, Bold, and, Brassy," Surace serves as conductor for a 28-piece orchestra featuring international jazz star Nicole Henry where they play selections of Broadway and pop tunes for corporate events.

Surace's work and accomplishments have been featured in *Businessweek*, *Time*, *Fortune*, *Forbes*, *CNN*, *ABC*, *MSNBC*, and *FOX News*. He has keynoted hundreds of events, from *INC5000* to *TED* to the *US Congress*, been awarded 28 patents, and sits on 7 boards.

KEYNOTE

Joe Inzerillo

Chief Technology Officer, Disney Streaming Services

Joe Inzerillo is Executive Vice President and Chief Technology Officer, Disney Streaming Services, where he oversees all aspects of technology, including streaming, commerce, platform development, and globalization for The Walt Disney Company's direct-to-consumer video streaming businesses.

Inzerillo joined The Walt Disney Company in 2017 with the acquisition of BAMTECH, where he served as EVP and CTO.

Previously, Inzerillo was CTO for Major League Baseball, including its flagship media companies MLB Advanced Media and MLB Network.

In that capacity, he helped shape MLB's vision for its digital business, which eventually led to the spinoff of BAMTECH Media, and was responsible for the development of several emerging technologies that would go on to disrupt the sports media ecosystem worldwide.

During his tenure with baseball, Inzerillo launched MLB.tv, the first over-the-top sports offering, "instant replay," a system that allows reviews of umpires' calls through video footage, and Statcast, a revolutionary player tracking system that uses big data to measure every play on the field through a combination of radar technology and cameras. He also oversaw the installation of Apple's iBeacon technology across its major ballparks and stadiums that enabled MLB's At Bat app to provide point of interest information, concessions, shopping, and loyalty and rewards programs, and led MLB's \$300 million initiative to roll out Wi-Fi and distributed antenna systems (DAS) at all its ballparks, among other innovations.

A native of Chicago, Inzerillo started his sports career in 1987 with the Chicago White Sox and is the former CTO of the United Center (home of the Chicago Bulls and Chicago Blackhawks). He studied Electrical Engineering at the Illinois Institute of Technology, and currently serves on the boards of Qwilt and the Streaming Video Alliance, and on the technology committee of the National Academy of Television Arts and Science, "the Emmys."



NAVAL AIR SYSTEMS COMMAND PRESENTS

NAVAL AIR SYSTEMS COMMAND
DATA CHALLENGE

DATA CHALLENGE III
THE DATA AWAKENS

CHALLENGE STATEMENT

NAVAIR seeks to establish a data-driven approach to recruiting. We're looking for data challenge participants to use existing data, along with external factors (e.g. health care costs, tax changes, economy) to develop a NAVAIR workforce prediction methodology and model. The resulting solution should use work demand and attrition to identify recruitment strategies.

SUMMIT PANEL BIOS

Stephen E. Cricchi

Assistant Commander for Corporate Operations
and Total Force Naval Air Systems Command

Mr. Cricchi serves as the Assistant Commander for Corporate Operations and Total Force for the Naval Air Systems Command (NAVAIR) in Patuxent River, Maryland. He is responsible for the full array of NAVAIR command business operations including command administration, total force management, military and civilian human resource programs, security, public affairs, business and financial management, and infrastructure business operations. Mr. Cricchi has over 30 years in civilian service and was selected for promotion to the Senior Executive Service in March 2005.



From November 2005 to May 2015, Mr. Cricchi was appointed as the second Director, Integrated Systems Evaluation, Experimentation and Test Department within NAVAIR. He was responsible for the efforts of over 3,000 flight test engineers, military test pilots and project officers, aircraft maintainers, acquisition professionals, and associated contractor support personnel performing flight test and experimentation for the Naval Aviation Enterprise and other customers. Mr. Cricchi's responsibilities included the operation of two test air wings with approximately 200 aircraft and the U.S. Naval Test Pilot School.

In March 2005, he was selected as the first ever Director for Flight Test Engineering, where he served as the Chief Flight Test Engineer for Naval Aviation. He was responsible for managing and directing more than 600 engineers and engineering technicians performing integrated systems evaluation, experimentation and test across three sites within NAVAIR.

In April 2001, Mr. Cricchi was appointed Deputy Director for the Test and Evaluation Engineering Department at NAVAIR. He was responsible to the Director for the technical efforts of the Department's personnel supporting test and evaluation of Naval Aviation weapons systems programs.

In May 1997, Mr. Cricchi became the Chief Test Engineer for the Strike Aircraft Test Squadron (VX-23), where he provided test engineering oversight and risk management for flight testing of numerous aircraft and weapons programs, including the F/A-18 Hornet, EA-6B Prowler, T-45 Goshawk, F-14 Tomcat, AV-8B Harrier, X-31 VECTOR, X-32 and X-35 Joint Strike Fighter concept development aircraft, AIM-9X Sidewinder, Joint Direct Attack Munition, and the Joint Standoff Weapon.

In April 1994, Mr. Cricchi was assigned as the T-45 Project and Platform Coordinator where he was responsible for all T-45 test and evaluation activity at the Naval Air Warfare Center Aircraft Division. Prior to that, Mr. Cricchi served as a flight test engineer performing flying qualities, performance and propulsion flight test on the T-45A Goshawk, AV-8B, and T/AV-8B Harrier II aircraft.

Mr. Cricchi earned his bachelor's degree in Aerospace Engineering from the University of Virginia in 1985, and is a Distinguished Graduate of the United States Naval Test Pilot School (Class 97).

SUMMIT PANEL BIOS



Van Baker

Research Vice President for Gartner's Application Design and Development Service

Van Baker covers conversational platforms and hosted AI services for developers as well as app development strategies, platforms and tools. He also covers design thinking and user experience design tools. Mr. Baker also leads the app development research community, and he advises app design and development platform and tool vendors in relation to product strategies, branding and marketing.

Hours On Challenge

Source: Self-Reported



Anthony Tellez

Staff Data Scientist, Machine Learning & Artificial Intelligence

Anthony is a Data Scientist at Splunk. Anthony supports customers globally with machine learning and advanced analytics use cases in the domains of cyber security, fraud and business analytics. Anthony works closely with Splunk's product team to develop new premium solutions for customers and partners. His previous roles include cloud strategy, data governance, product development, and geospatial analysis. He is a certified ethical hacker(CEH) and holds industry certifications in support of network defense (CNDA) and information security (Sec+, CISSP).

SUMMIT PANEL BIOS



Robert J. Keisler

Data Science & Analytics Engineering/
5.6 Competency Lead
SPAWAR Systems Center Atlantic

Mr. Rob Keisler is the Data Science and Analytics Engineering/ 5.6 Competency Lead for SPAWAR Systems Center (SSC) Atlantic. He serves as SSC Atlantic's leading technical expert for data science within SPAWAR and across the PEOs, the NR&DE, the Intelligence Community, and all customers to ensure consistency, efficiency, and commonality in solutions provided to the warfighter. During his career, he has been a pioneer for big data, data science, analytics, and autonomy technical strategy development efforts and applying those technologies towards increased readiness and warfighting effectiveness.

Mr. Keisler was selected in October 2017 to serve as a Senior Science and Technology Manager (SSTM) for SSC Atlantic where he entered Federal civil service in 2004. In his role, he provides technical strategic leadership and direction for the architecture, development, integration, and deployment of data-intensive digital capabilities, including the Internet of Things (IoT), machine and deep learning, and artificial intelligence (AI). He executes supervisory responsibilities for the data science and analytics engineering workforce to include resource planning and competency development for SSC Atlantic, and he supports workforce development strategies and goals for higher echelons including partnerships with national and international organizations, industry, and academia.

Mr. Keisler has served as a Technical Warrant Holder (TWH) for SSC Atlantic since 2011, most recently as Technical Area Expert (TAE) for Information Operations (IO) and Battlespace Awareness (BA) Data Analytics. He has supported numerous engineering efforts within information warfare, including leading design, deployment, and transition efforts for the Navy Tactical Exploitation of National Capabilities (TENCAP) Office and PMW-120's Cryptologic Carry-On Program (CCOP). He has served in several technical leadership roles since 2012, including Supervisor for the Analytics Engineering Branch.

Mr. Keisler is a native of South Carolina. He is a graduate of Clemson University where he earned a Bachelor of Science in Computer Engineering. He earned a Master of Science in Computer Science from The Citadel and the College of Charleston. He holds a DAWIA Level 3 certification in Systems Engineering.

SUMMIT PANEL BIOS

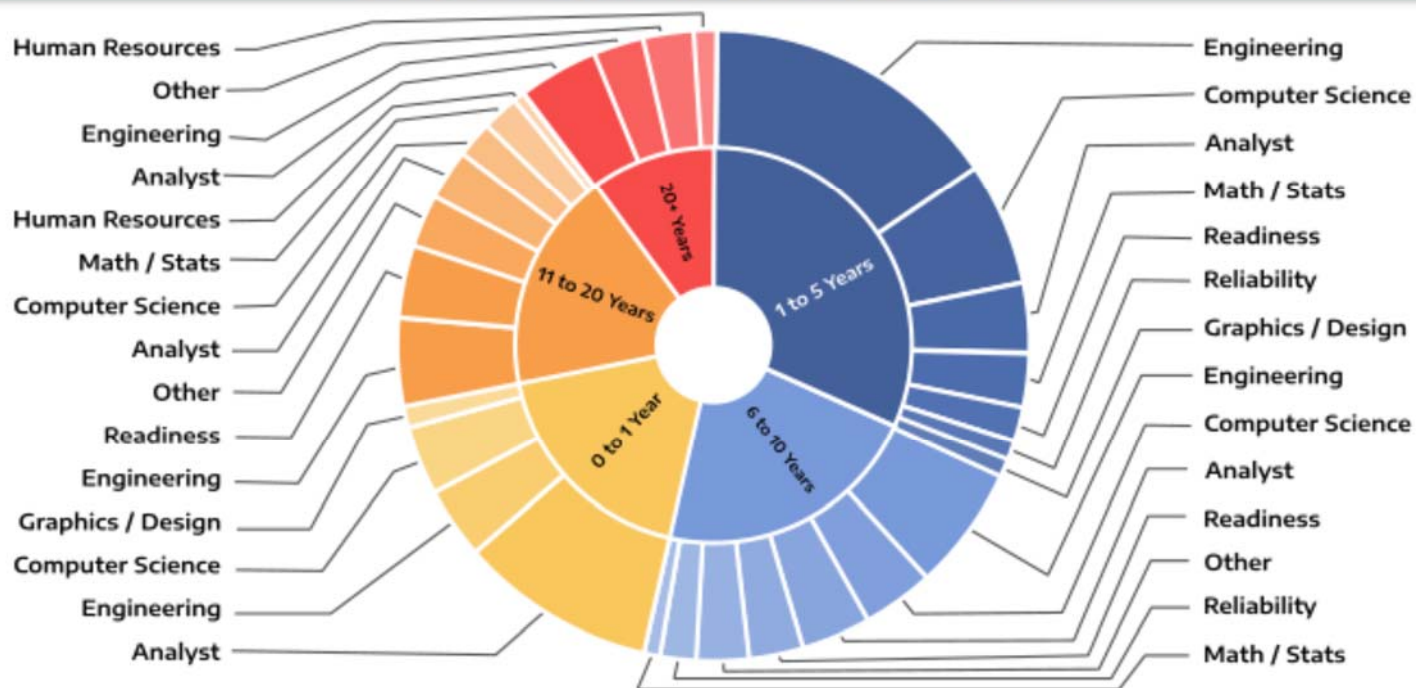
Robert (Rob) Dell

Executive Director NPS Data Science and Analytics Group

Dr. Robert F. Dell is a professor of operations research (OR) at the Naval Postgraduate School (NPS) and executive director of the newly formed NPS Data Science and Analytics Group. He joined NPS as an OR assistant professor in 1990 and served as chairman of the OR Department from 2009 to 2015. During his tenure as chairman the department received the 2013 INFORMS Smith Prize. Professor Dell has received research support from every uniformed service for topics ranging from naval capital planning to army base realignment and closure. He has also applied optimization in the private sector in areas ranging from supply chain design to professional sports analytics. He has deployed twice to combat zones. Professor Dell has been awarded the Barchi, Koopman, and Rist prizes for military operations research. He has also received two Department of the Army Payne Memorial Awards for Excellence in Analysis and two Department of the Navy Superior Civilian Service Awards. Professor Dell currently serves as editor-in-chief of the Military Operations Research Journal.



Participants by Years at NAVAIR & Background



SUMMIT PANEL BIOS



Michael S. Hill

NAVAIR Digital Innovation Acceleration Lead
NAVAIR Digital Office (NDO)

Michael (Mike) Hill is a multidisciplinary strategist with roots in Infrastructure Optimization, System & Software Engineering and Integration, Information Technology (IT), and Information Systems Security disciplines. He has a long track record of successfully leading complex projects involving multiple organizations to completion. Mike has consulted for and led the development of sophisticated software architectures, developed successful Systems of Systems implementations, and assisted in organizational change leadership. He has also developed and successfully executed two IT Strategic Plans spanning 6 years.

Mike currently serves as Naval Air Systems Command (NAVAIR) Digital Office's co-lead for digital Innovation acceleration. In this

capacity, he is responsible for models, training and self-service infrastructure empowering the workforce to rapidly ideate, collaborate, develop, and deliver new capability to meet known and emergent fleet requirements. He's led the development of NAVAIR's first Data Strategy, digital workforce development, Developer Operations (DevOps platform), and strategy and implementation of NAVAIR's self-service advanced analytics and visualization platform.

In his 20+ years with NAVAIR, he has served as Deputy Chief Information Officer for Research, Development, Test & Evaluation, optimizing delivery of IT systems and services to NAVAIR's RDT&E laboratories through increased coordination, communication, and collaboration between service providers.

He provided strategic vision for F/A-18's Advanced Weapons Laboratory (AWL) IT Infrastructure and managed their \$177M spend plan. Mike developed processes and tooling that helped the F/A-18 Software Development Team mature to the Software Engineering Institute's Capability Maturity Model Level 5 — the Navy's first team appraised at this prestigious level. He provided architecture modelling, as well as training in object-oriented analysis and design to support the development of the Shared Reconnaissance Pod (SHARP). He introduced Agile development models and tooling to support the development and maintenance of F/A-18 A through F variants' software, decreasing staffing levels and reducing the delivery time of build and support software. He also provided leadership and technical expertise in the integration of disparate software analysis, code, and build systems, resulting in significant time reduction for the development of software related to the F/A-18A-F.

Mike Hill's awards include the Meritorious Civilian Service medal, Secretary of the Navy's Honorable Mention for Innovation, and Department of the Navy IM/IT Excellence Award.

In his free time, Mike enjoys exercising his creative side by creating independent short films, animation and motion graphics, writing and mixing music, or applying color to just about any surface. Mike also makes time to hone his technical skills with animatronics, robotics, lighting display, Internet of Things, and other projects. Most importantly, Mike enjoys life with his wife and two kids.

SUMMIT PANEL BIOS

Matthew D. Boehmer

Director of the Office of People Analytics (OPA) at Department of Defense (DoD)

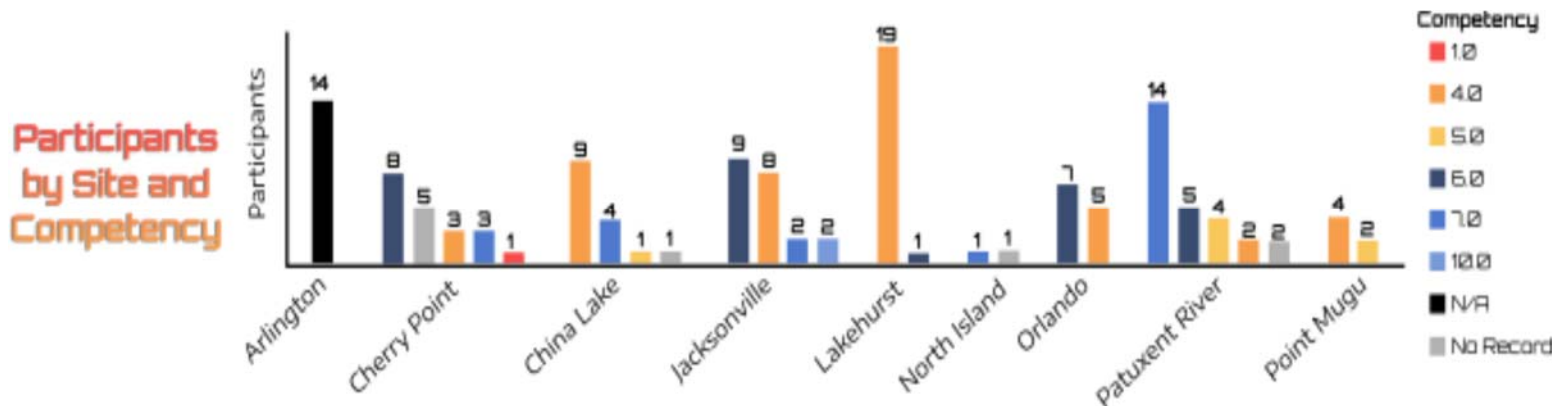
Mr. Matt Boehmer is the Director of the Office of People Analytics (OPA). OPA's vision is to be DoD's premier center for analytics, providing information on the Total Force, families and veterans, through the collection of data and analytical research. OPA provides efficient, evidence-based solutions for Total Force management in support of the warfighter and leads the Department in providing innovative, cost-effective data solutions. Mr. Boehmer brings nearly 15 years of experience in program and fiscal management, as well as marketing communications and outreach expertise from his tenures as the Director of the Federal Voting Assistance Program (FVAP) and the Director Joint Advertising Market Research and Studies (JAMRS) office.

In his capacity as the FVAP Director, Mr. Boehmer administered the federal responsibilities of the Uniformed and Overseas Citizens Absentee Voting Act on behalf of the Secretary of Defense. The Act covers the voting rights of Uniformed Services personnel, their families and U.S. citizens residing abroad.

JAMRS enables DoD Leadership and the Services to make informed research-based recruiting decisions eliminate unnecessary redundancies across the recruiting communities and conduct focused outreach efforts that are distinct from, yet integral to, those of the Services in order to preserve and enhance the All-Volunteer Force.

Mr. Boehmer began working for the Federal Government in December 1991, when he joined the Department's Outstanding Scholarship Program after receiving a Bachelor of Science degree in Psychology from The University of Mary Washington. He has spent his 25-year career working for the Office of the Under Secretary of Defense for Personnel and Readiness.

Mr. Boehmer graduated from the 1999 Executive Leadership Development Program, received the Joint Meritorious Unit Award in 1999 and 2016, and in 2007 received the Medal for Exceptional Civilian Service



Team-reported data

SUMMIT PANEL BIOS

Joe Incorvia

NAVAIR Digital Innovation Acceleration Lead
NAVAIR Digital Office (NDO)

Joe Incorvia is an Operations Research Analyst at the Naval Air Systems Command, Patuxent River Maryland. His diverse 30+ year career includes technical and acquisition experience in cost analysis, program management, logistics and industrial operations, strategic planning and process improvement. Joe currently the Director of Command Operation for NAVAIR and co-leads the Digital Innovation and Accelerator Capabilities Team which is focused on providing an infrastructure, expertise and data accessible to support:

- System integration, data analysis and dashboards
- Statistical analysis, machine learning & artificial intelligence to solve business problems
- Strengthening data analytic competence throughout the workforce
- Process automation to include robotic process automation



From 2003 – 2013 Joe a number of assignments in the logistics and Industrial Competency to include: The Director of Executive Operations for the Logistics and Industrial Operations Competency where he provides direct technical integration and strategic support to the Assistant Commander for Logistics and Industrial Operations. The organization is made up of over 11,000 Civilian, Military and CSS and management responsibility for over \$3B annually.

Head of the Industrial Business Operations Department and Acting Director for the Aviation Resources & Readiness Department where he provided technical integration, programmatic oversight, analytical expertise, and strategic development in support of industrial source of repair decisions, and maintains logistics information systems used by more than 400 fleet activities.

Joe served as the deputy program manager for the Naval Air Systems Command's Enterprise Resource Planning (ERP) Program. He provided technical integration and program oversight for five Integrated Product Teams. The ERP program was developed and deployed to over 22,000 users worldwide in four years. At the time, it was the largest ERP implementation within the Navy. Joe received the Navy Superior Civilian Service award for his work on the program.

Earlier in his career Joe provided statistical analysis support to the Cost Department where he developed cost estimating relationship and modes to estimate weapons systems cost. His last assignment in the Cost Department was as the Director for the Processes, Methods, and Databases where he was the senior leader in charge of process improvement, database development, and data automation. Joe received the meritorious civilian service award for leading a cost/ benefits analysis recommending the best course of action for the Navy to implement the Base Realignment and Closure Act decision to close or privatize a Navy field activity.

Joe earned his master's degree in Economics, with a concentration in econometrics, from Virginia Polytechnic Institute & State University. He received his bachelor's degree in mathematics and economics from State University of New York at Buffalo. Joe has published research papers on the use of seemingly unrelated regression techniques in production aircraft cost estimating and the evaluation of defense contracting based on transaction cost theory. In his free time Joe enjoys golfing, skiing, listening to music and spending time with his wife and two kids.

SUMMIT PANEL BIOS



Daniel M. Green

Senior Systems Analyst, Office of the Chief Engineer
Space and Naval Warfare Systems Command

**Research Associate, Naval Innovation Advisory Council
2016 -2017**

The NIAC is a Department-level council, comprised of Secretary of the Navy (SECNAV) Innovation Advisors, tasked to assist, accelerate, and enable innovation throughout the Department of the Navy (DON). Mr. Green is executing his NIAC responsibilities as a Research Fellow at the San Diego Supercomputer Center, an Independent Research Organization on the University of California San Diego Campus. His portfolio includes data-driven decision making, data science and security.

**Director, Joint Advanced Manufacturing Region,
Integrated Product Team 2015-2016**

Established the Joint Advanced Manufacturing Region (JAMR) IPT. This effort responded to DoD-wide calls for more rapid adoption of advanced technology to improve national economic competitiveness, preparedness and mobilization for security and defense. As Director, Mr. Green initiated the Expeditionary Manufacturing Test Bed (EXMAN) and the Smart Manufacturing Grid projects.

Principal Investigator: Project LIMA 2013-2014

Project LIMA investigated the military utility of Light Detection and Ranging (LIDAR) sensing, processing and visualization technologies. Effort included the evaluation of all aspects of the 3D data lifecycle.

Project Manager: Information Readiness Framework 2012

The Information Readiness Framework is a governance mechanism for data strategy implementation designed to support Current and Future Readiness objectives. Established the first Navy Data Sciences Team.

Project Manager: Content Distribution Networking 2010-2011

Implemented the Global Content Distribution System for eight programs across DON. Received the Civilian Meritorious Award for data continuity support to Operation Tomodachi, the international response to both the tsunami and resulting Fukushima disasters.

OSD CIO Project Manager: Universal Core (UCORE) Interagency Information Sharing Initiative 2007 - 2011

Served as DOD lead and interagency Co-lead for the development of Universal Core information sharing specification. UCORE was a DOD, DOJ, DHS, IC and PM ISE joint effort that responded to 911 Commission report findings. Selected Top 100 IT professional by Federal Computer Week Magazine in 2009.

Department Head: Technical Authority: 2007-2012

Naval Technical Warrant Holder for Information Strategy

Deputy Director for ISR: Office of the Chief Engineer, SPAWAR 2002-2006

SUMMIT PANEL BIOS



Neal Andrew

Splunk Global Account Manager for US Navy and US Marine Corps

Neal Andrew is currently the Global Account Manager for the US Navy and the US Marines for Splunk. Splunk was founded to pursue a disruptive new vision: make machine data accessible, usable and valuable to everyone. Machine data is one of the fastest growing and most valuable parts of big data -- generated by every component of IT infrastructures, applications, mobile devices, website clickstreams, social data, sensors and more. Splunk is the leading software platform for machine data that enables customers to gain real-time Operational Intelligence. Splunk's mission is to address the challenges and opportunities of managing massive streams of machine-generated big data.

Prior to Splunk, Mr Andrew was the Deputy, Systems Development Division of the Office of Information Technology at US CIS/DHS -

Neal brought innovation, transformational leadership and results to digitizing the IT systems that deliver on America's promise as a Nation of immigrants. he spearheaded Agile development and user-centric design to modernize customer facing systems and applications. The journey to true DevOps is emerging but armed with 2 Platform-As-A-Service (PaaS) providers; a public cloud deployment (and seeking competition on that front) and; building a competitive Private Cloud environment - the sky's the limit.

Mr. Andrew also served as the Enterprise Solutions Champion, Logistics IT Programs, Chief of Naval Operations, Fleet Readiness and Logistics (OPNAV N4). In this capacity he served as the functional advocate on state-of-the-art technologies and is responsible for establishing plans for technology insertion, with the goal of improving the efficiency of the Navy's logistics IT portfolio.

Prior to joining OPNAV N4, Mr. Andrew served Headquarters Marine Corps, Command, Control, Communications and Computers (C4) in several key billets Nov 2006 – Sept 2014. As a Senior IT Advisor, he represented Marine Corps' interests at executive level steering groups in defining emerging requirements for the Department of Defense (DOD) Joint Information Environment (JIE). As the Deputy, CIO Division, Mr. Andrew managed the Marine Corps' efforts on Federal Data Center Consolidation Initiative (FDCCI) and Enterprise Licenses. As the Future Plans Chief, he was responsible for requirements definition and acquisition actions for the Marine Corps portion of the Next Generation Enterprise Network (NGEN) contract.

Mr. Andrew began his federal career in the Marine Corps as a Ground Radio Repairman at Camp Pendleton, CA in 1991 where he deployed to Operation Restore Hope in Somali. After being accepted to the Marine Corps Enlisted Commissioning Program (MECEP), he was commissioned as a Communications Officer within 1st Marine Division in 2001. He completed 3 combat tours in support of Operation Iraqi Freedom and earned a Purple Heart. Mr. Andrew has a Masters Certificate of Public Leadership from the Brookings Institute. He is Defense Acquisition University certified in both Program Management and Information Technology. He also has a bachelor's degree in History from the University of Arizona.

SUMMIT PANEL BIOS

Susan Marcellino

NAVAIR Data Challenge Coordinator

Susan Marcellino is a program analyst at the Naval Air Warfare Center Weapons Division, China Lake California. Her diverse 30-year technical career has included 15 years with specialized defense contractors. She is currently the NAVAIR Digital Office (NDO) Talent Development and Organizational Integration Lead, and the coordinator for NAVAIR's *Data Challenge*. Her career efforts span software/systems engineering, weapons/tactics simulation, project management, analysis, strategic planning, organizational training and change management.



Susan spent four years as a program analyst for the F/A-18 and EA-18G Advanced Weapons Laboratory and the Australian Program. As the Block Manager and Australian liaison, she was responsible for a \$62M annual budget, producing software for Australia's multiple F/A-18 variants. She was in-country when Australia received the final delivery of its 24 F/A-18 E/F aircraft. It was the Australian's largest military procurement, and was soon eclipsed with its EA-18G purchase, in which Susan played a role. Susan had the pleasure of working as a Block Manager for the Marine Corps AH-1W Fleet products for 5 years, and she helped establish a framework for Government, Northrup Grumman, and Bell Helicopter partnerships on the AH-1Z and UH-1Y software updates.

Susan's awards include the Secretary of the Navy's Honorable Mention for Innovation and NAVAIR's Commanders Award Honorable Mention. She has authored articles for "Crosstalk" magazine, Journal of Defense Software, published multiple papers, and has presented numerous times at national and international conferences.

While a contractor, Susan served as a technical writer for seven years and authored more than 50 original documents for the AV-8B, A-6, and F/A-18 programs. A major achievement was her development of the *F/A-18 Advanced Weapons Laboratory Systems Engineering Process Manual*, which documented how the organization produced software and managed its infrastructure. She has a B.S. in Business and Project Management.

Susan is no stranger to the technical side of Naval Aviation, since her mother was a specialist with the A-6 program, and her father was with F/A-18. Susan's motto is "live a life worth loving," and she is always looking to innovate by bringing smart people together. On weekends, Susan likes to line dance and occasionally drive her 1965 Buick Riviera to classic car shows.

A special thank you to William Jenkins and Andrew Gatdula for your amazing efforts in coordinating the Data Challenge and Summit.

—Susan

thank you!

CHALLENGE TEAMS

RLF

Stats

Member Count:



Competency
■ 4.0 ■ 6.0

Years at NAVAIR



Members

Background



Theme Song



Sunny Day
Joe Rapso

"The team chose this song because it was pioneering by introducing a new learning method thru music and lyrics. Our purpose is to introduce a new way of how folks in the organization look at data and react to it."

Historical Teammate



John
Berners-Lee

"The team would choose John Berners-Lee the inventor of the World Wide Web. His knowledge on manipulating large data and prioritizing to manageable size would add value and perspective to the team vision and scope as well as defining the future"

Bumper Sticker

"Solving problems one Alien Life Form at a time!"

Convergent Validity

Stats

Member Count:



Competency
■ 7.0 ■ 6.0

Years at NAVAIR



Members

Background



Theme Song



If You Don't Know
Me By Now
Simply Red

"We're trying to find, court, and keep new team members for NAVAIR."

Historical Teammate



Steve Jobs

"Brilliant, slightly insane, creative and strategic. He was an icon for agile development, innovation and entrepreneurship. If he was our team advisor, we believe he would have been able to provide insight on how to understand the data, how to handle stress, how to recognize patterns and to give the customer what they need; even before they knew they needed it."

Bumper Sticker

"We've got it under WRAPS"



Self-reported Finalist data

CHALLENGE TEAMS

Lakehurst Rebels

Stats

Member Count: 

Competency
 4.0  6.0

Years at NAVAIR

1-5 Years

Background

Analyst



Theme Song



Rey's Theme
John Williams

"She is our favorite Star Wars character."

Historical Teammate



William Sealy
Gosset

"He developed the student's T distribution in the application of brewing beer."

Bumper Sticker

"Status Code 504"

SEERS

Stats

Member Count: 

Competency
 7.0

Years at NAVAIR

6-10 Years

20+ Years

Background

Analyst

HR



Theme Song



Harder, Faster,
Better, Stronger
Daft Punk

"This is how the team rolls, as a headquarters group we are always being pushed to go faster, harder and better."

Historical Teammate



Steve Jobs

"Strong Vision and technical ability to transform the art of the possible into reality".

Bumper Sticker

"Work Harder, Better, Faster, Stronger"

Self-reported Finalist data

CHALLENGE TEAMS

TEAM USA

Stats

Member Count: Competency
 4.0 6.0 10.0



Theme Song



Don't Stop
Me Now
Queen

"It reflects our team's drive to solve problems quickly and remove roadblocks. Also has the incomparable Freddie Mercury on vocals (and *We are the Champions* is probably too presumptuous)."

Historical Teammate



RADM
Grace Hopper

"On top of being an extraordinarily intelligent and driven individual, she was one of the pioneers of early computers, especially for applications in the military."

Bumper Sticker

"Creative Solutions to Challenging Problems"

Challenge Teams Were Asked

What do you each enjoy about working the data challenge?



Self-reported Finalist data

Join Us

NO-HOST GROUP DINNER

September 12th



La Mia Cucina

All inclusive dinner \$37 (including tax & gratuities)

Appetizer: Brushetta

Toasted baguette, rubbed with garlic, topped with fresh tomatoes, basil & virgin olive oil

Choice of: House Salad

Served with our corn, tomato and green onion garnish and creamy house dressing

Entrée choice of:

Farfalle with Bolognese

Farfalle pasta tossed with a rich beef sauce and topped with Ricotta cheese

Chicken Piccata

Breaded chicken breast sautéed with butter, white wine, lemon and capers

Eggplant Parmigiana

Thinly sliced Eggplant layered with Parmesan cheese, Mozzarella cheese, fresh basil and Marinara sauce

Dessert: Sherry Cake with a sherry vanilla glaze

Soda, Coffee, and Tea included with meal

SUMMIT LOCATION ME Lecture Hall Bldg 255



NAVAL POSTGRADUATE SCHOOL AT NAVAL SUPPORT ACTIVITY MONTEREY



PARKING KEY	
	Open Parking
	Carpool/HOV
	Permit
	Timed
	Restricted
*Motorcycle Parking is located near Lot F, Lot C, and Lot K	
**Some lots have mixed parking. Heed signage.	

ALL EMERGENCIES DIAL 9-911	
POLICE SERVICES	656-2555
PUBLIC WORKS	656-2526
POST OFFICE	656-1734
CHAPEL OFFICE	333-2241
NPS QUARTERDECK	656-2441
VEHICLE PASSAD	656-3477
NAVY LODGE	372-6133
TICKET & TOURS (MWR)	656-3223
LEGAL OFFICE	656-2506
NAVY EXCHANGE	373-7277
NSAM HEADQUARTERS	656-2279
NAVY GATEWAY INNS & SUITES	656-2090
ALL AREA CODE PREFIXES (831)	

ACADEMIC BUILDINGS

Bullard Hall (233)	B4
Dudley Knox Library (339)	A3
Glasgow Hall (302/304/305)	A2
Halligan Hall (234)	A4
Ingersoll Hall (330)	A3
King Hall (237)	B5
ME Lecture Hall (255)	A5
Quad Auditorium (247)	A5
Reed Hall (310)	A3
Root Hall (235)	A3/B4
Spanagel Hall (232)	B5
Watkins Hall (245/246)	A4

BASE SERVICES

Cafe Del Monte (290)	B3
Chapel/Chaplains Office (300)	C2
Dental Clinic (220)	C3
El Prado Dining (220)	C3
Fitness Center (208)	C2
Navy Exchange (NEX, 303)	C1
Navy Exchange Autoport (345)	C1
Police Services (436)	D4
Post Office (260)	C2
PSD (277)	B3
Public Works (426/427)	D3/E3
Recreation Fields/Courts	C2/C4/D3
Tickets & Tours (MWR, 220)	C3
Trident Room Dining (220)	C3

Driving directions and maps available at:

<http://www.nps.edu/About/MapsDirections.html>



A BIG Thank You

It took many months of work by a variety of organizations and individuals to bring together NAVAIR's Data Challenge Summit.

A special *thank you* to:

- * Joe Inzerillo for rearranging your schedule to be our keynote speaker.
- * Van Baker for bringing in the user perspective.
- * Matt Boehmer for making time to share how the Office of People Analytics puts data to work.
- * Challenge judges who devoted two full days to understanding and evaluating Finalist efforts.
- * The amazing NPS staff, from Summit presenters to data science enthusiasts. NPS expertise enabled us to address training needs and expertise opportunities.
- * NAVAIR's leadership for unwavering support.
- * Most importantly, Data Challenge participants, who made the project an incredible journey of discovery and solutions.

Thanks again!

Looking Ahead...

Resources & Opportunities:

- * Use the Advanced Analytics Platform (AAP) for your project and provide user feedback to expand capabilities
- * Consider applying your expertise to a DIAT project, where we're looking to connect expertise with those tackling analytics and digital transformation
- * Upcoming industry rotation opportunities, for both IT and non-IT related tasking
- * Apply your knowledge on Data Challenges, Hack and Innovation events
- * Attend upcoming advanced analytics and data engineering training opportunities
- * Use your experience and innovation in NAVAIR's digital transformation
- * Participate in *next year's* Data Challenge



Accelerate